



FIGURE 5

Dose related effect in terms of Dextran-FITC conjugate take-up at high concentrations

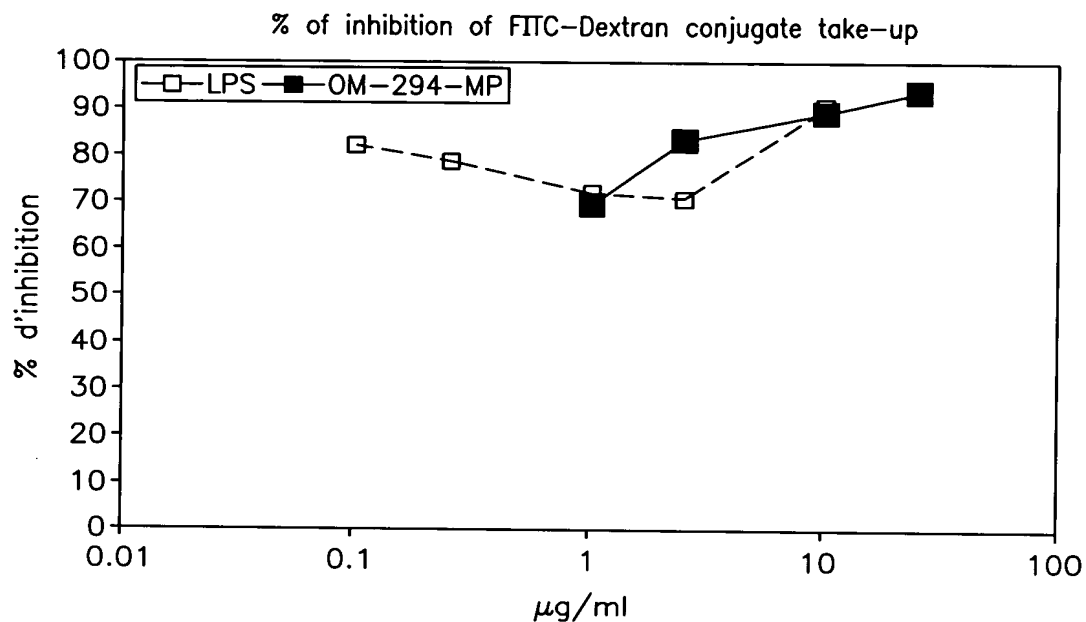
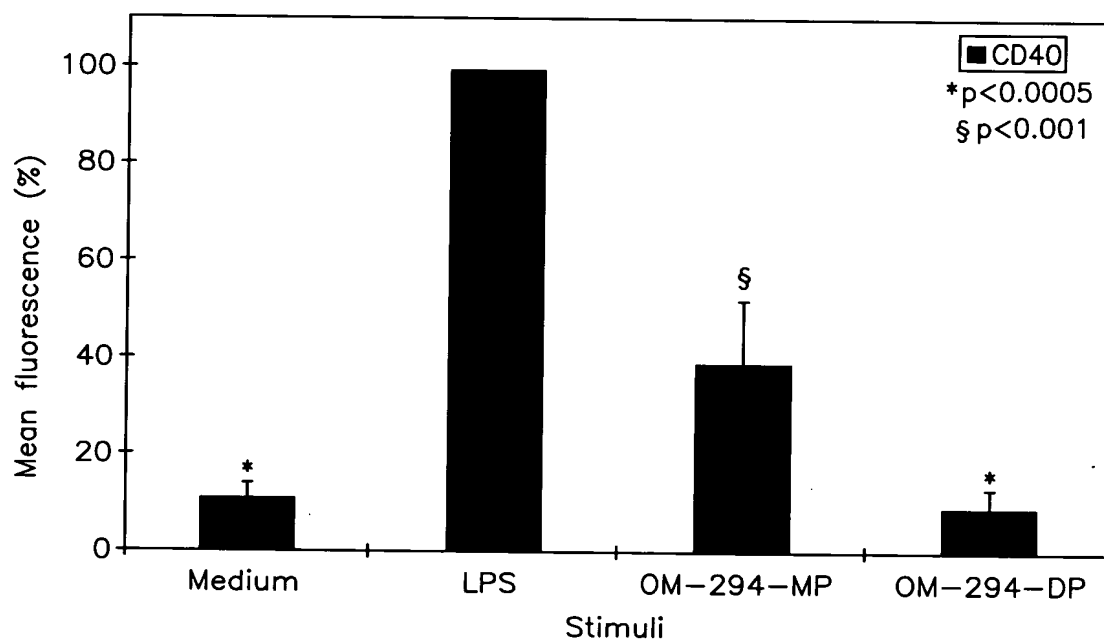


FIGURE 6

CD40 co-stimulating surface marker expression



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FIGURE 9

Expression of CD80 co-stimulating surface marker

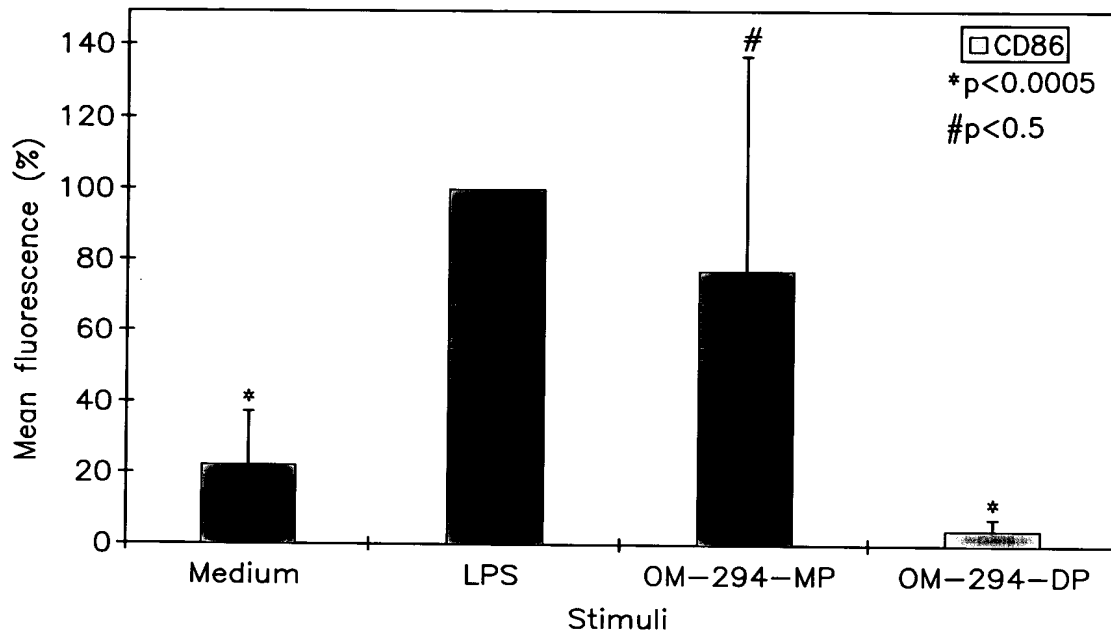
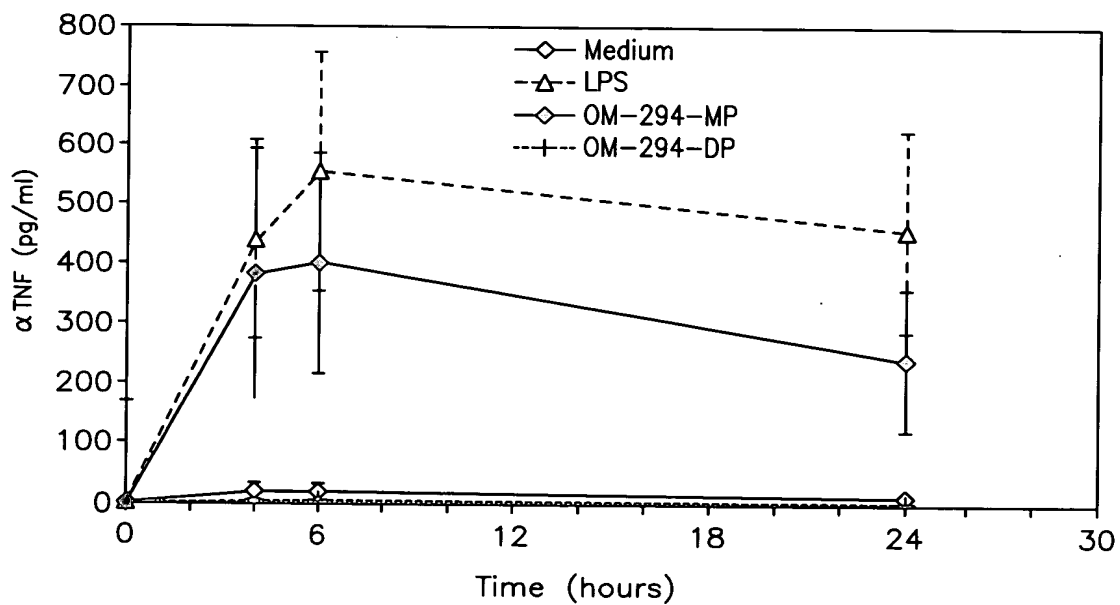


FIGURE 10

Effect of OM-294-MP and OM-294-DP products on α TNF production by predendritic cells at DC-6 stage



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FIGURE 11

Effect of OM-294-MP and OM-294-DP products on IL-12 p70 production by predendritic cells at DC-6 stage (IFN = γ IFN)

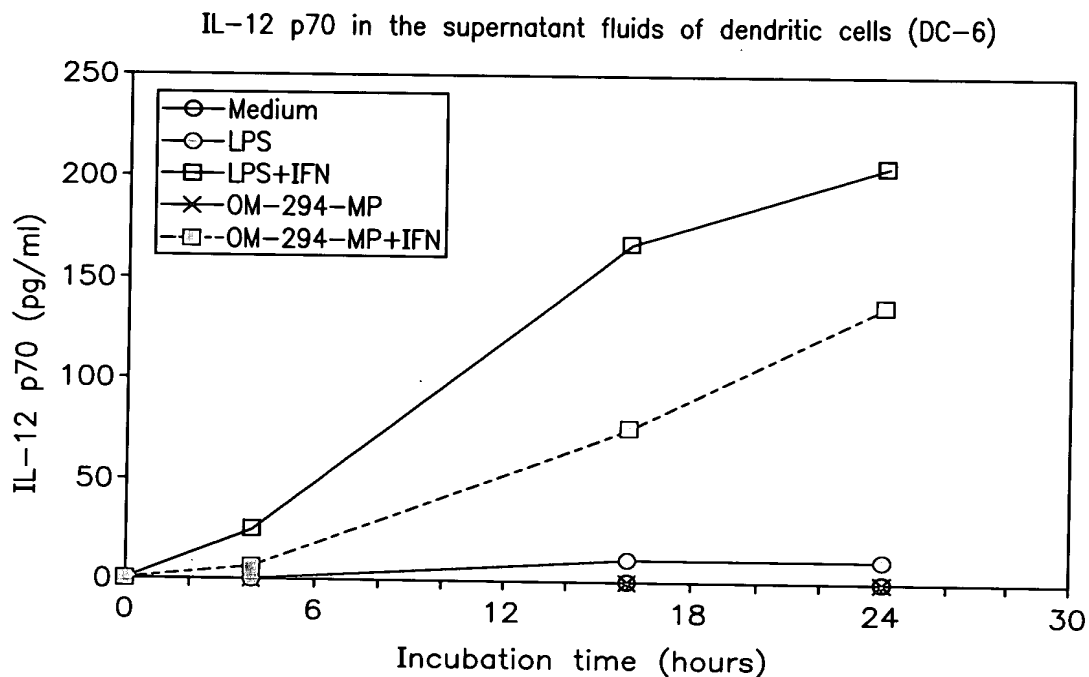
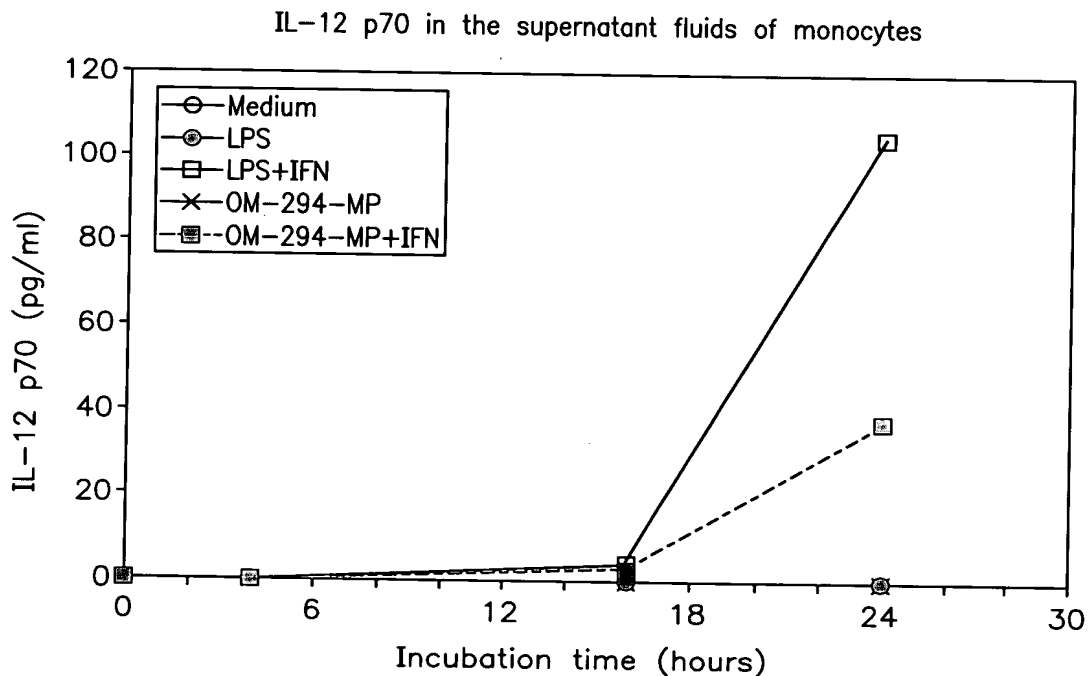
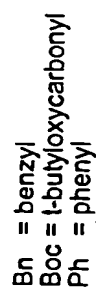


FIGURE 12

Effect of OM-294-MP products on IL-12 p70 production by monocytes (IFN = γ IFN)



Homoserine route



ASPARTIC ACID ROUTE



Homoserine route

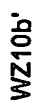
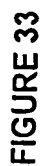
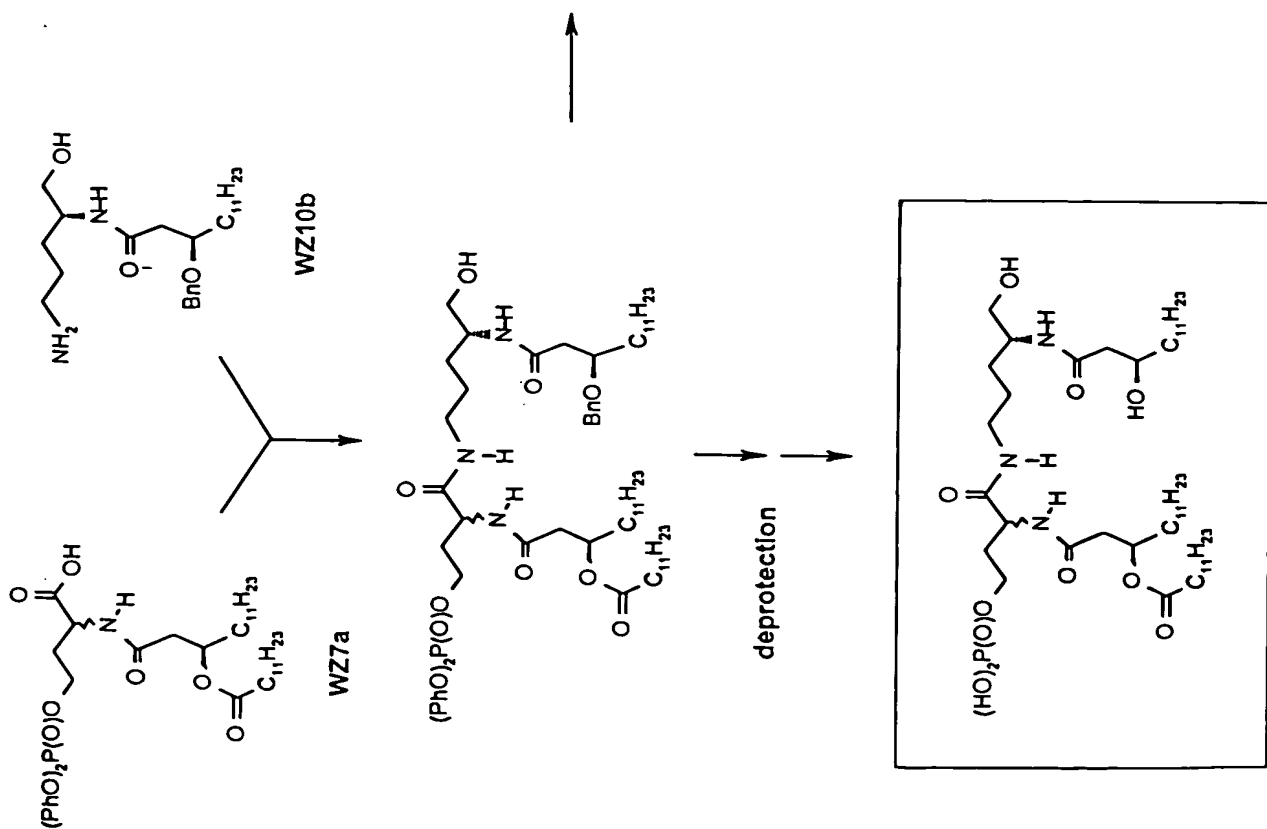


FIGURE 34

SYNTHESIS SCHEME 2

Bn = benzyl
Ph = phényl

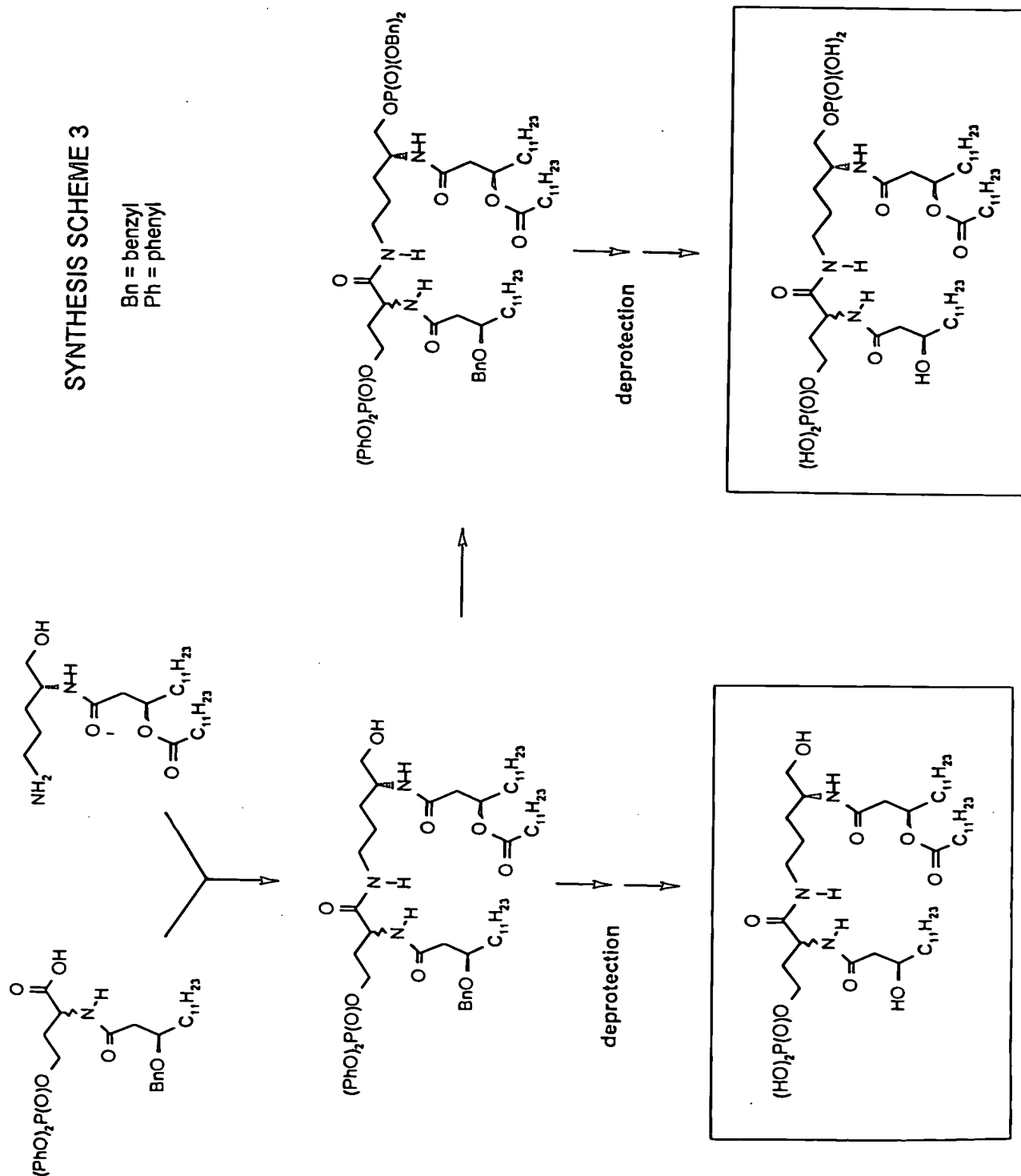


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FIGURE 35

SYNTHESIS SCHEME 3

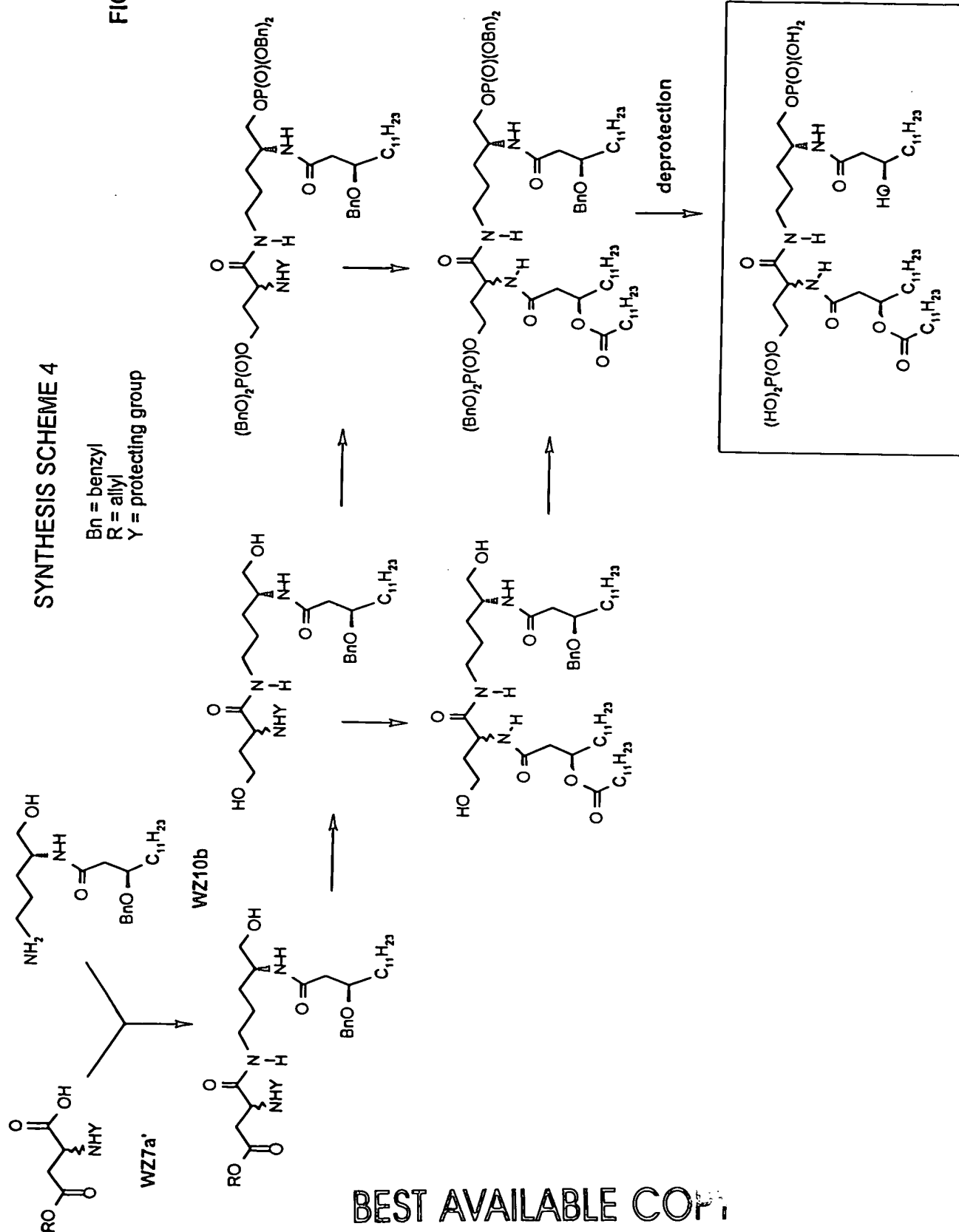
Bn = benzyl
Ph = phenyl



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FIGURE 36

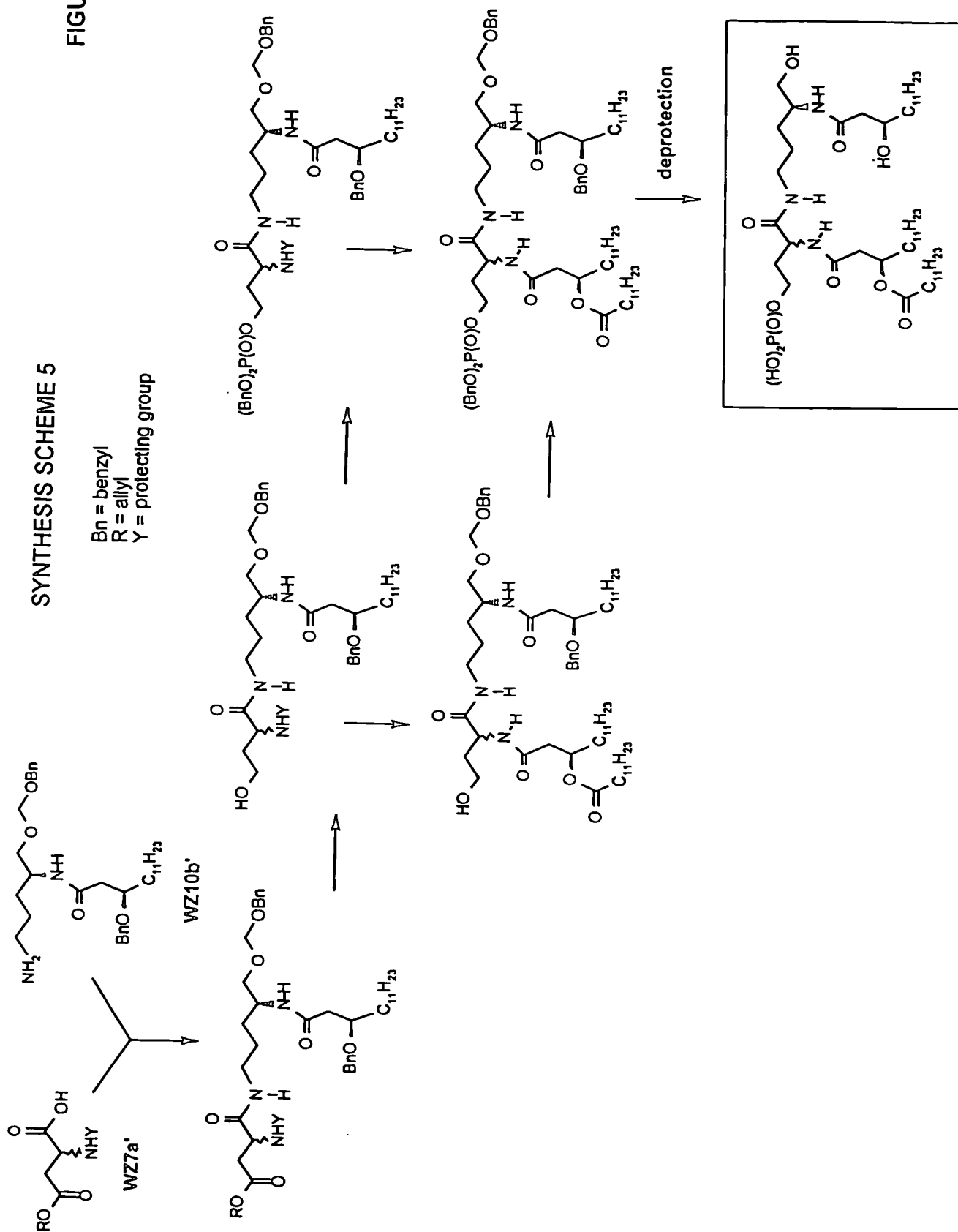
SYNTHESIS SCHEME 4



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FIGURE 37



SYNTHESIS SCHEME 6

FIGURE 38

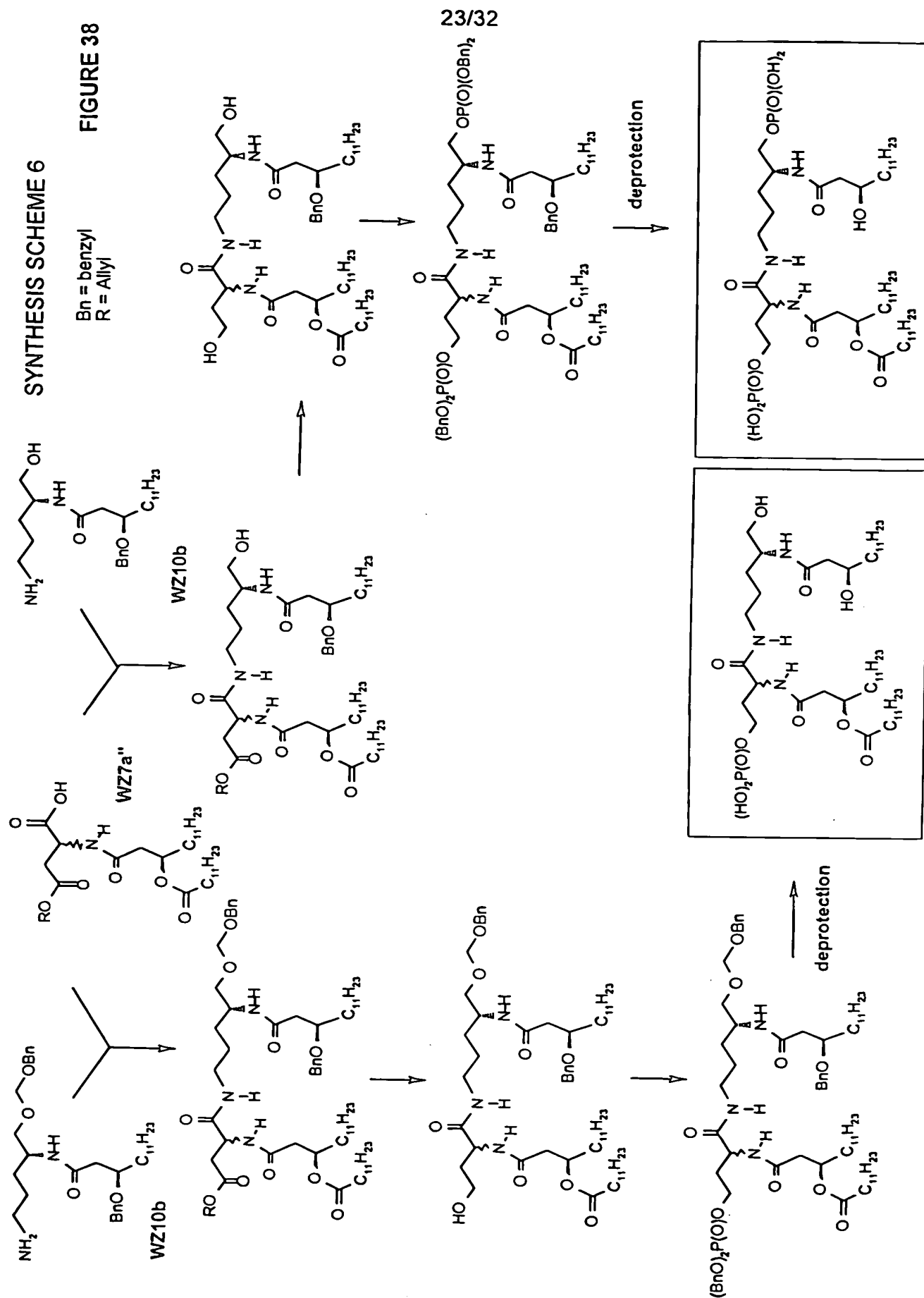
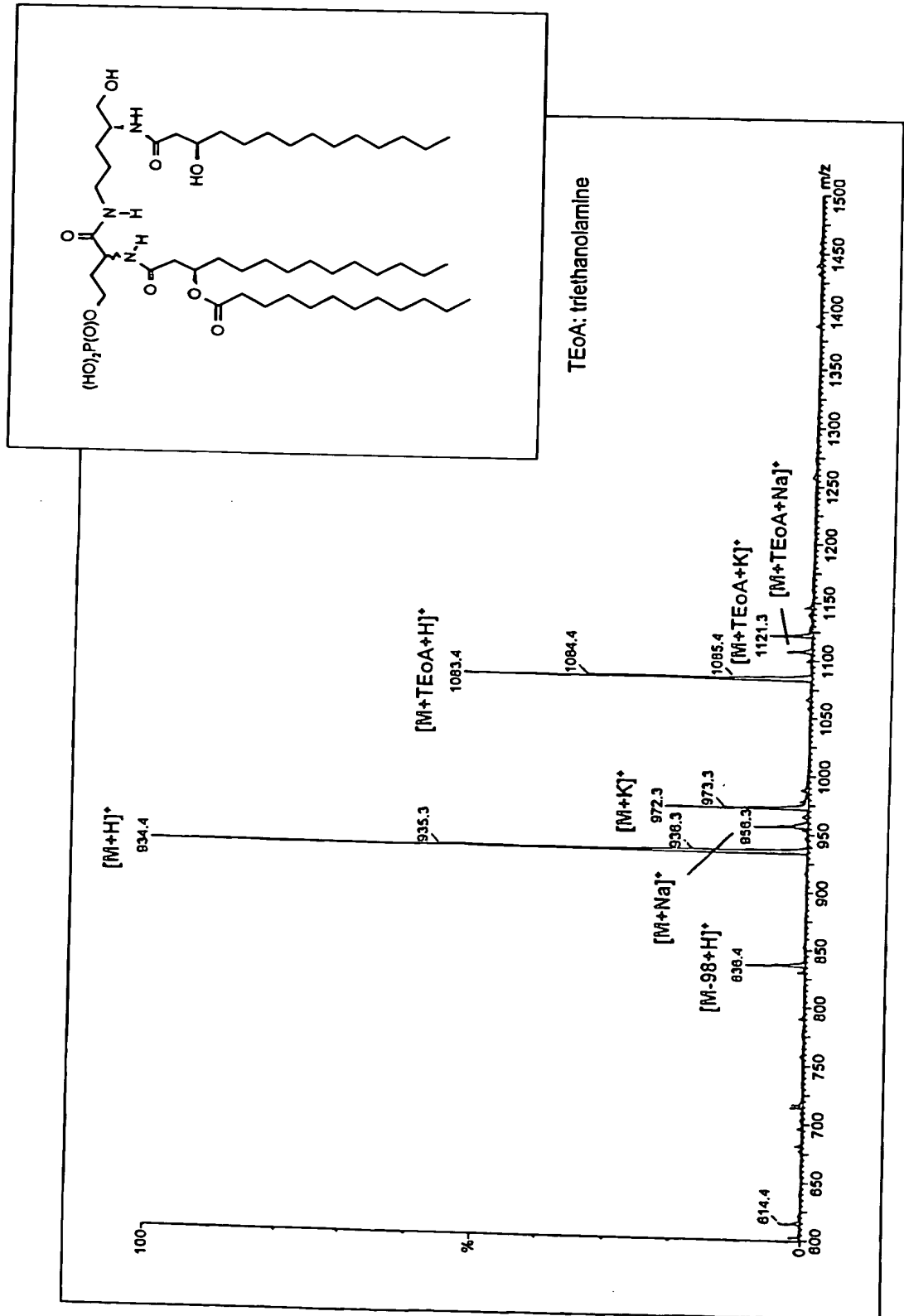


FIGURE 39



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SPECTRUM 2
monophosphorylated compound
ES-MS spectra (positive mode)
FIGURE 40



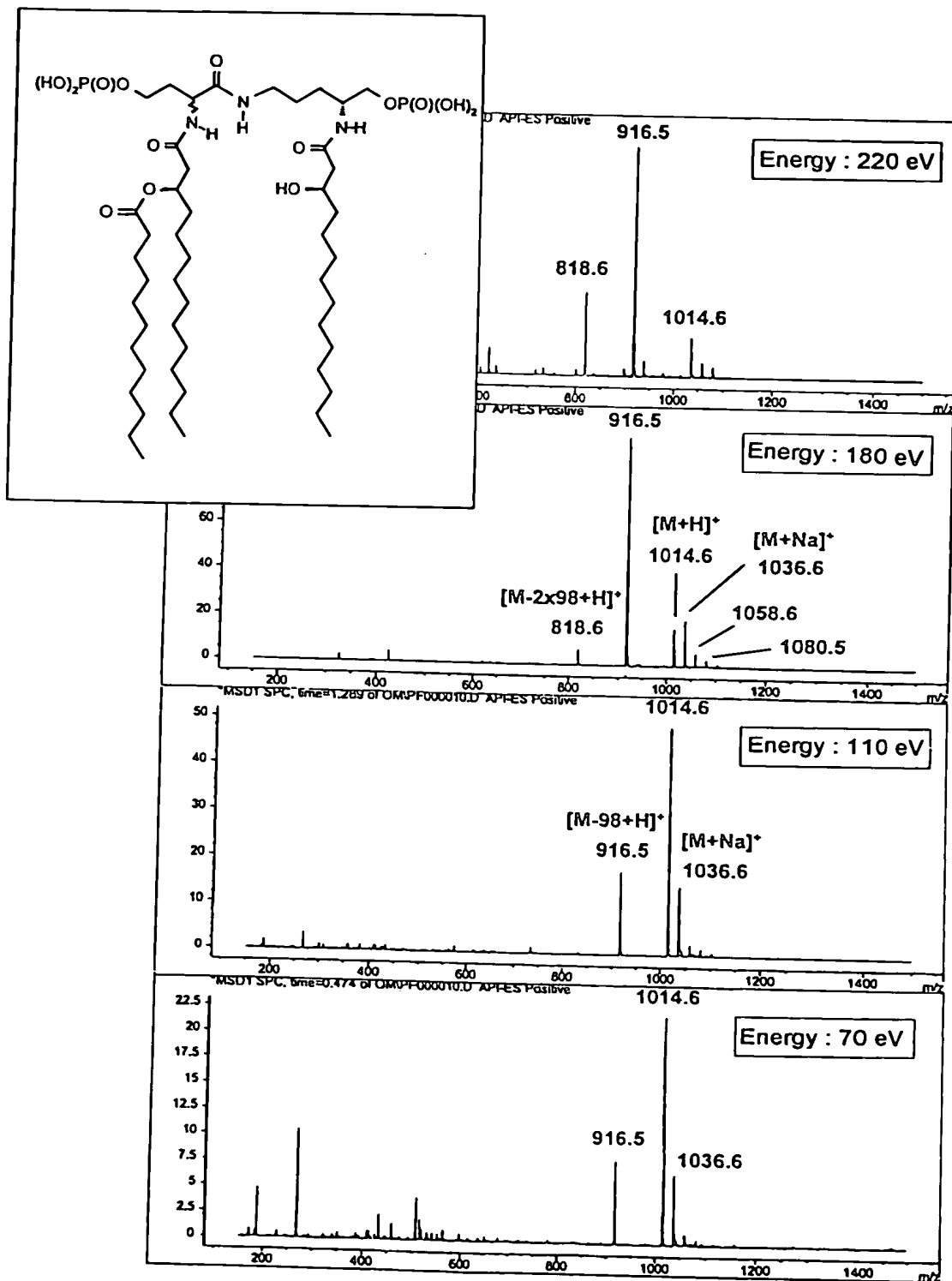
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FIGURE 41

SPECTRUM 3

Diphosphorylated compound

ES-MS spectra (positive mode fragmentation)

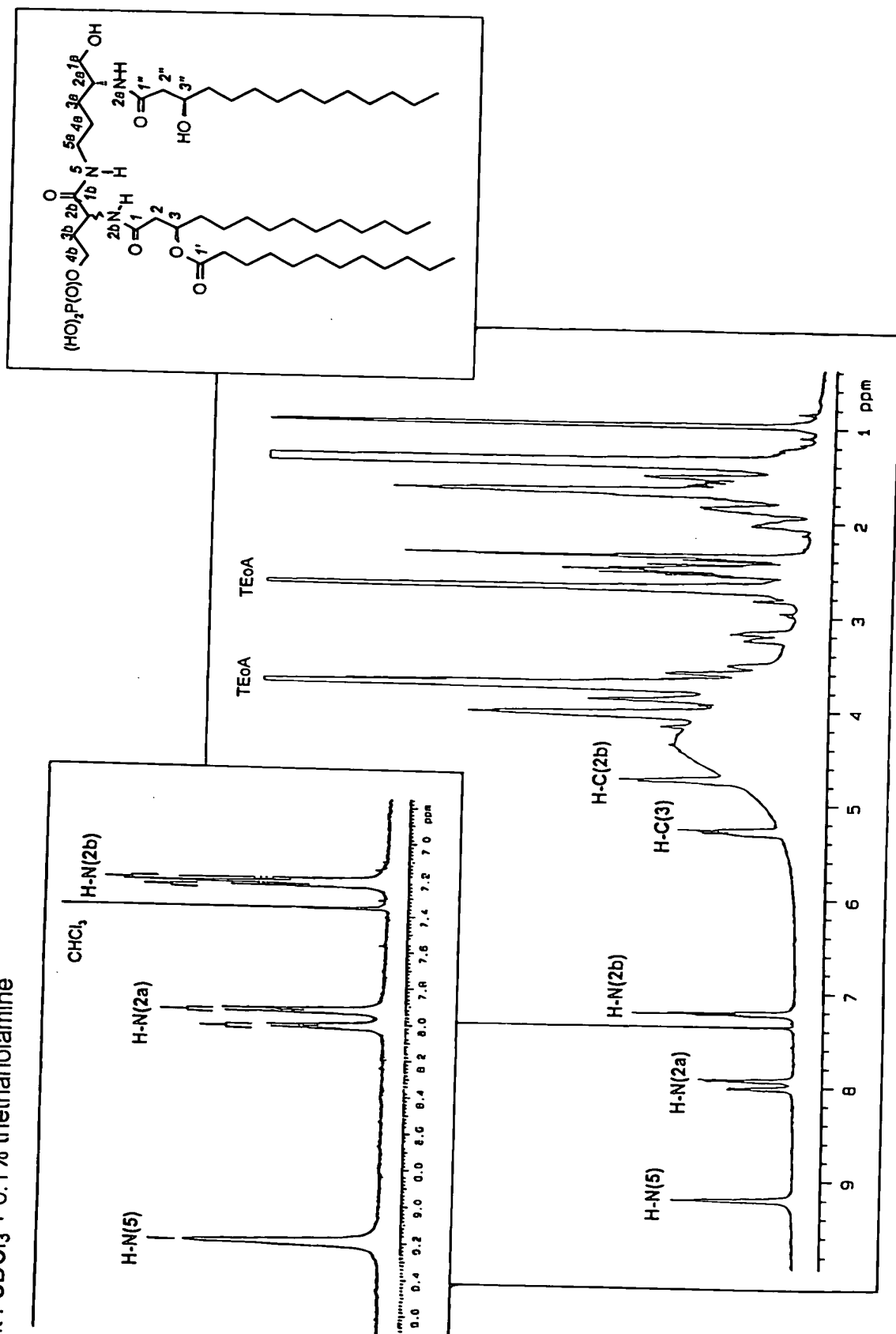


Instrumentation: Hewlett-Packard MSD, single quadrupole

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SPECTRUM 4 monophosphorylated compound
nt : CDCl₃ + 0.1% triethanolamine
¹H-NMR Spectrum

FIGURE 42



Instrumentation: Varian Unity INOVA 500 MHz

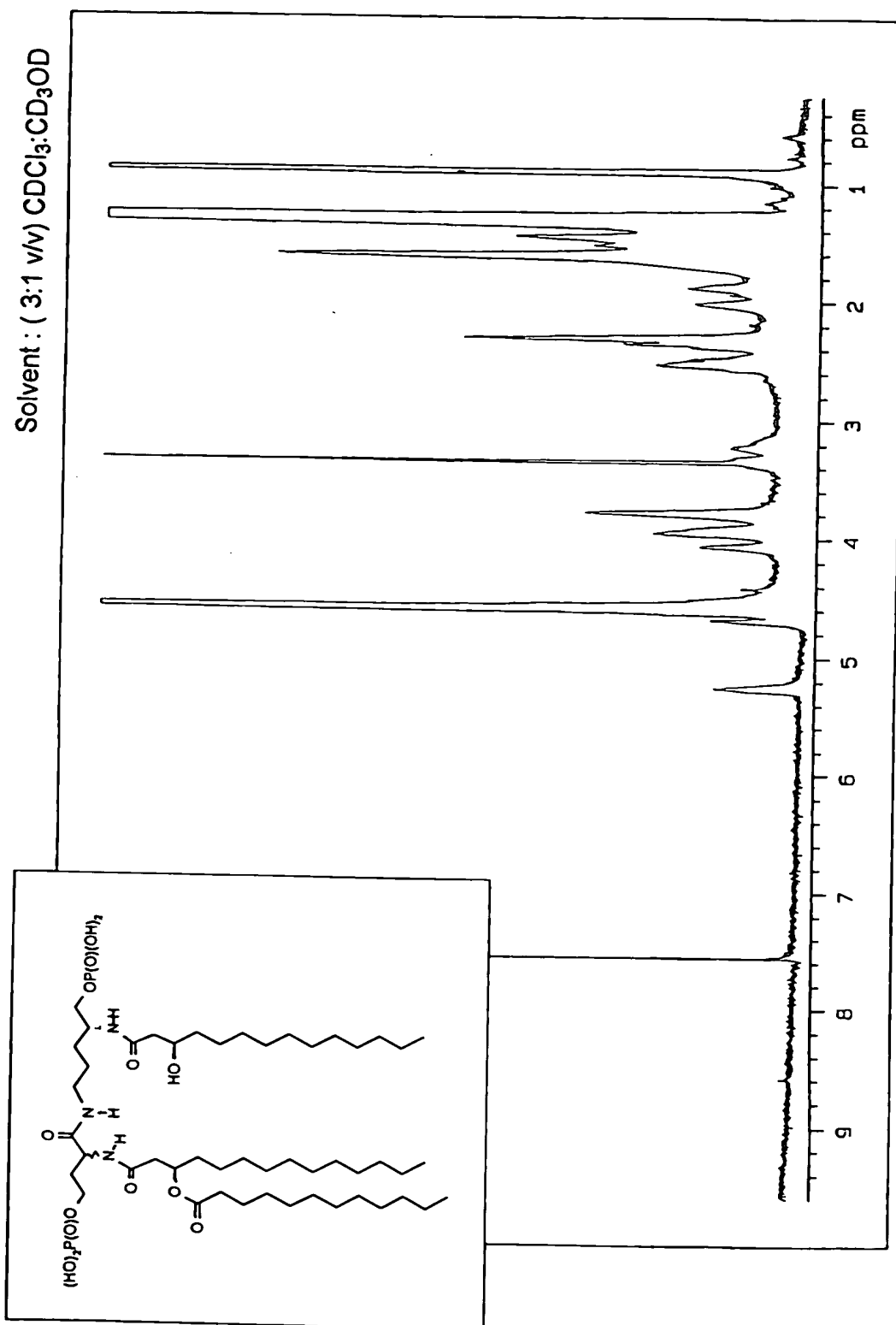
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monophosphorylated compound

SPECTRUM 5

¹H-NMR Spectrum

FIGURE 43



Instrumentation: Varian Unity INOVA 500 MHz

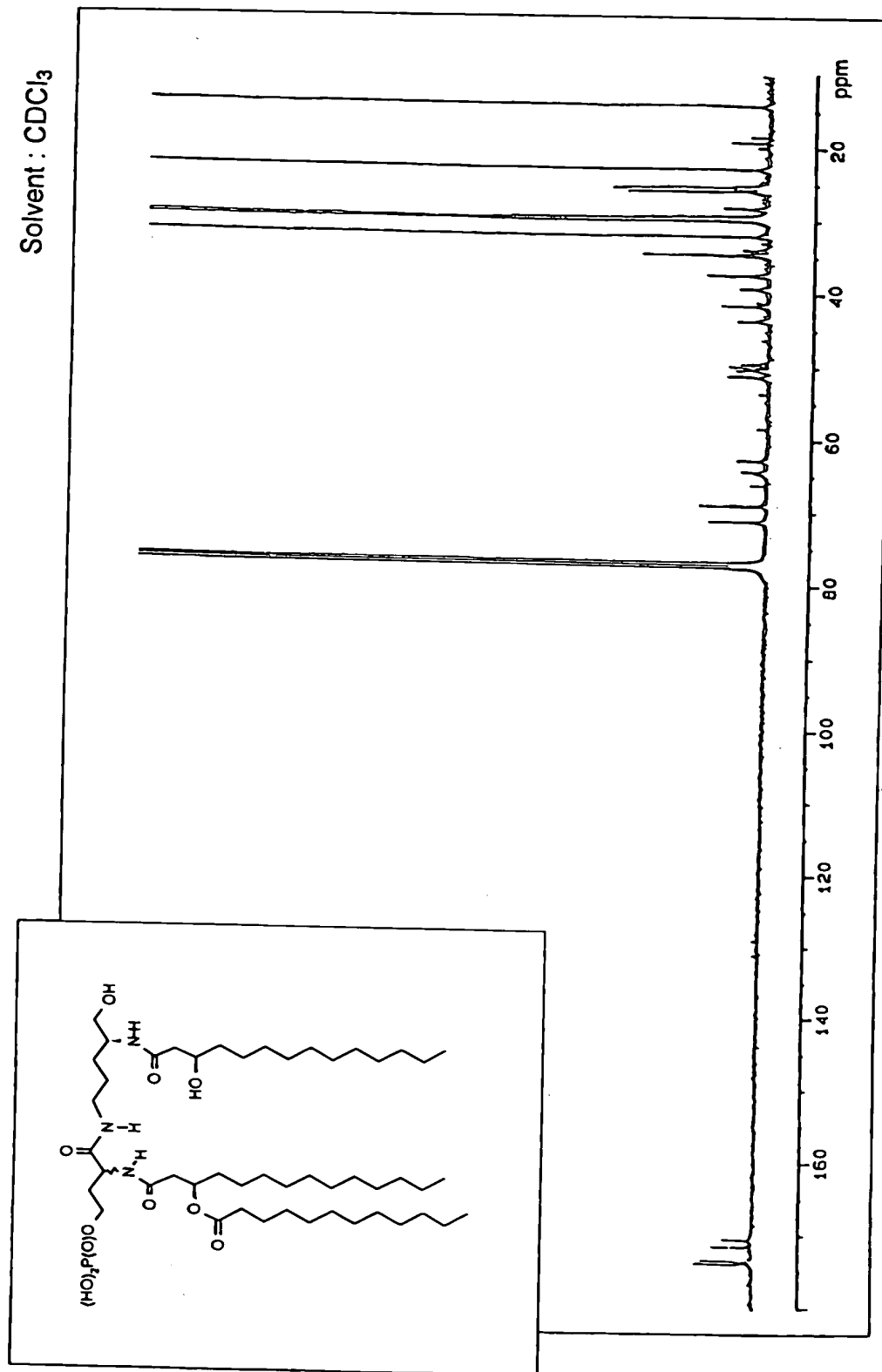
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monophosphorylated compound

SPECTRUM 6

^{13}C -NMR Spectrum

FIGURE 44



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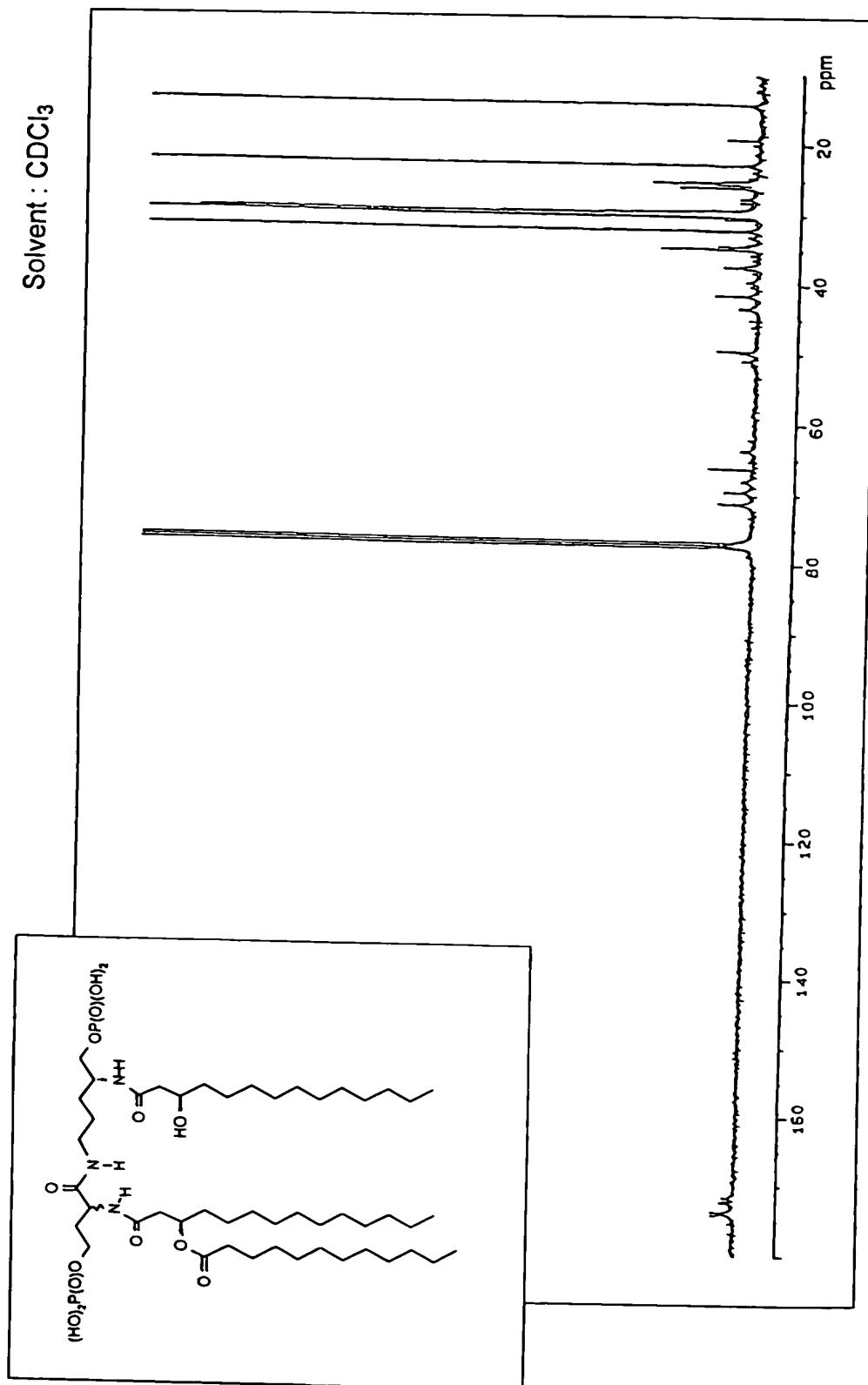
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Diphosphorylated compound

Spectrum 7

^{13}C -NMR Spectrum

FIGURE 45



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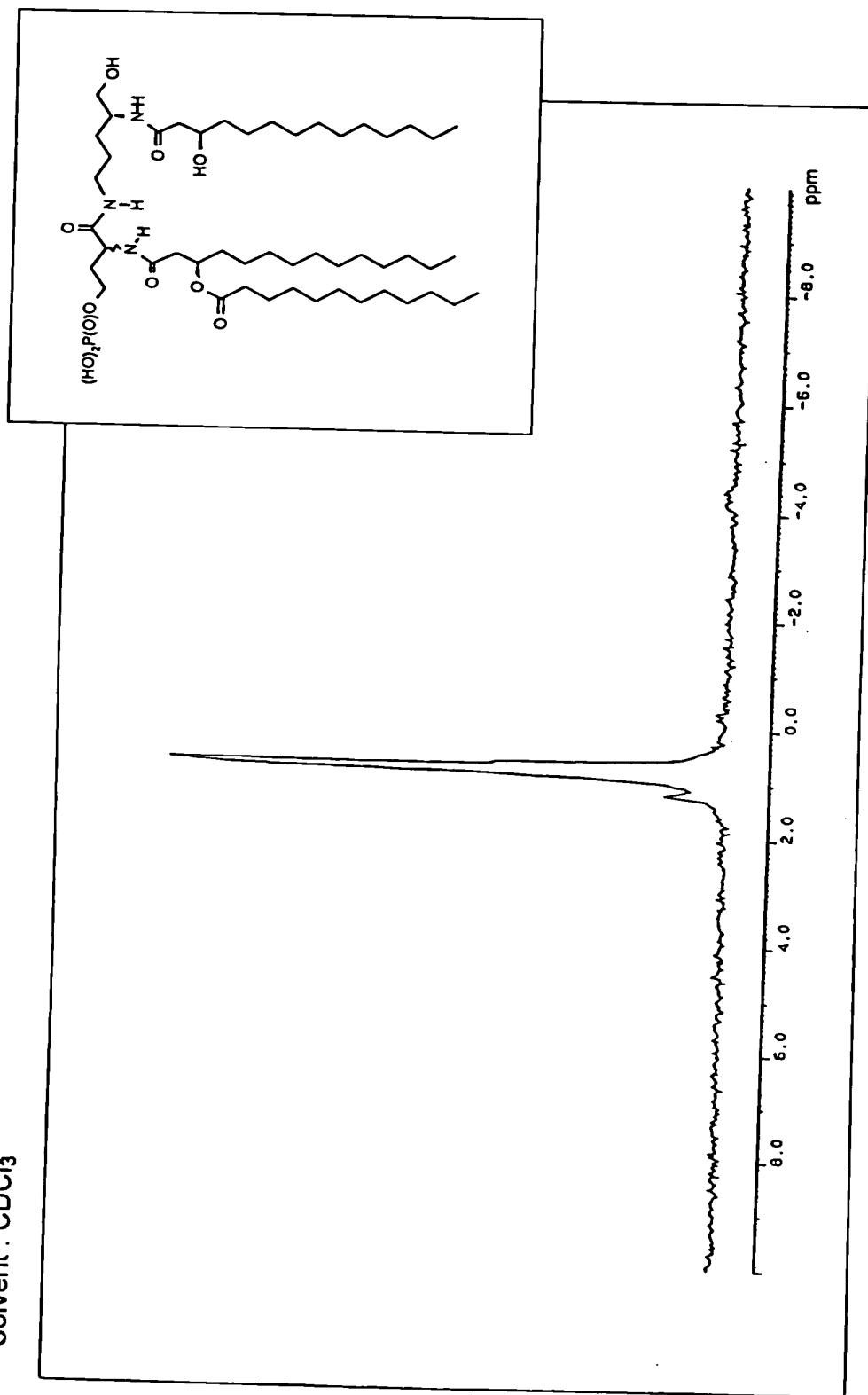
monophosphorylated compound

^{31}P -NMR Spectrum

Spectrum 8

Solvent : CDCl_3

FIGURE 46



Instrumentation: Bruker DPX 300 MHz

Spectrum 9
Diphosphorylated compound
³¹P-NMR Spectrum

Solvent: CDCl_3

